

JMap Mobile 7.0

User Manual



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Welcome to JMap Mobile 7.0

JMap Mobile is an online application that belongs to the family of JMap applications (JMap Pro, JMap Web, and JMap Mobile). It is deployed on mobile devices such as tablets and smartphones.

It is used to display vector and raster data, to perform queries, and to edit vector data, either in offline or online mode.

This document is the user guide for JMap Mobile 7.0.

Logging into the Application

You must download JMap Mobile from your mobile device's application store.

When you tap the icon, a login interface appears, allowing you to open a specific application.


Usually, application access is controlled, and you must obtain a username and password from your organization to access JMap Mobile.

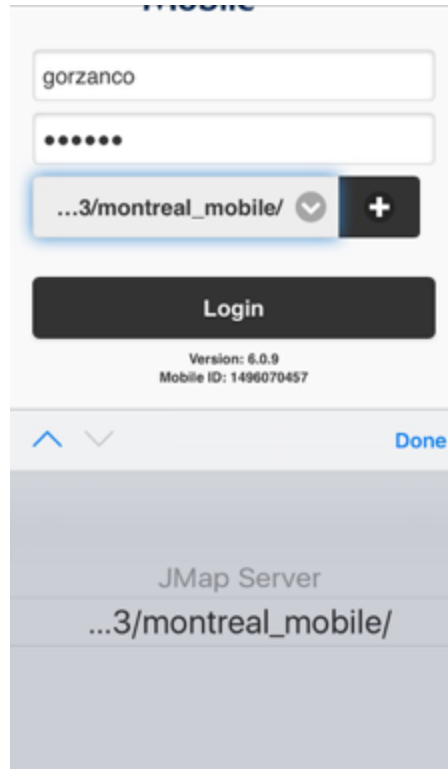


The screenshot shows the JMap Mobile login screen. At the top, there is a grey header with the word "Login". Below the header is the JMap Mobile logo, which consists of the text "JMap" in a large, bold, blue font, with "Mobile" in a smaller, blue font underneath. Above the "JMap" text is an orange Wi-Fi signal icon. Below the logo are two input fields: "Username" and "Password". Underneath the "Password" field is a dropdown menu labeled "JMap Server" with a downward arrow and a plus sign to its right. At the bottom of the form is a large, dark grey button labeled "Login". Below the button, the text "Version: 6.0.9" and "Mobile ID: 1496070457" is displayed.

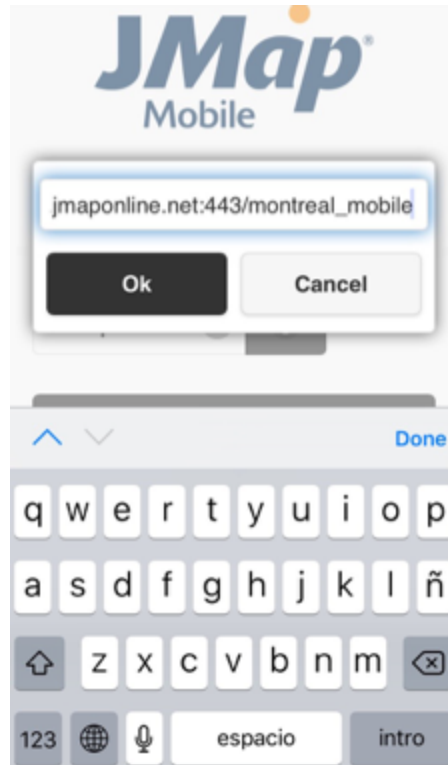
To log into an application:

1. Enter your **Username**.
2. Type the **Password**.
3. Enter the URL of the application you wish to deploy in the *JMap Server* field.

The drop-down arrow  lists the URLs of the applications that were previously opened. This list can be deleted in the Preferences section.



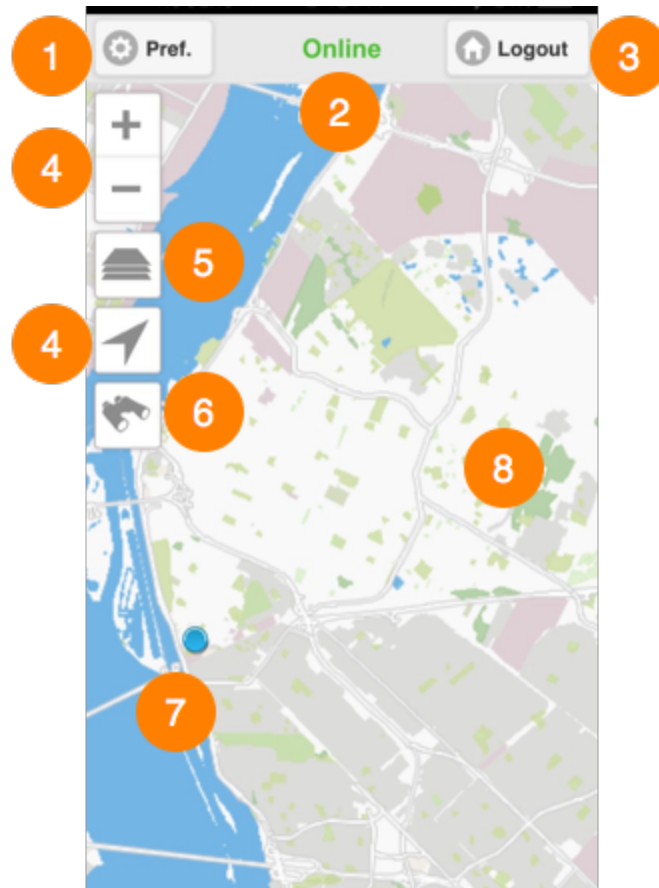
The  icon allows you to add new URLs using your mobile device's keyboard.



4. Tap **Login** to access the application.

The Graphical Interface

The graphical interface is streamlined and straightforward; all the space is dedicated to map-based data.



1 Preferences

This button brings you to an interface where you can configure settings related to data and transactions management, application addresses, and the mode in which you want to work. Details are presented in the Preferences section.

2 Status

Legend indicating the status of the connection to JMap Server. Two statuses are possible: Online and Offline.

3 Logout

This button brings you back to the login interface.

4 Navigation tools:

+ Enlarge map (zoom in)

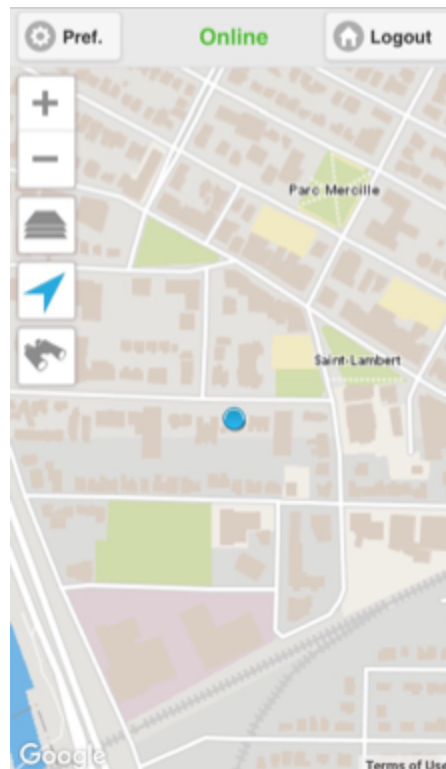
1. Tap to enlarge the center of the map (the zoom factor is determined by default in your mobile device).

– Reduce the map scale (zoom out)

1. Tap to reduce the center of the map (the zoom factor is determined by default in your mobile device).

📍 Geolocation

1. Tap to center the map on your location (geographic coordinates of your mobile device). The button turns blue 📍.



2. Tap the button again to disable the function. The button turns grey 📍. The geolocation function must be enabled in your mobile device.

5 📄 Data layers in the application.

6 🗨️ Queries.

- 7 Location of mobile device represented on the map.
- 8 Map interface.

The Data


The data contained in the application is organized into layers.

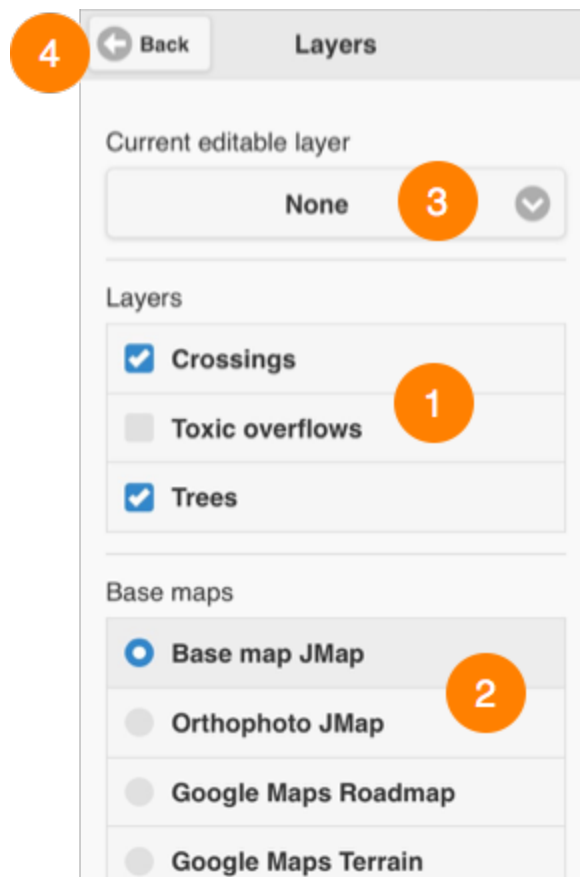
There are two types of layers in JMap Mobile:

1. Base maps, which form the map background;
2. Layers, which contain useful information; their display can be enabled or disabled, as needed. Certain layers can be edited in the application.

Layers can provide descriptive data associated with the spatial data. The descriptive data is displayed in mouseover bubbles.

To display data:

1. Tap the  icon. The **Layers** menu displays. It contains the list of layers organized into three groups: Base maps, Layers, and Current editable layer.




- 1 List of layers in the application.



- 2 List of base maps in the application.
 - 3 This menu allows you to select a layer to edit. Details are presented in the Editing Data section.
 - 4 This button allows you to return to the map interface.
2. Select the layers you wish to display.
You can display several layers at the same time. The only restriction is the readability of the map.
 3. Select the base map of your choice to display it.
You can only display one base map at a time.
Depending on your application's configuration, you can display maps created specifically for the application and/or maps taken directly from web map servers such as Google Maps, Bing, and OpenStreetMap.
 4. Tap **Back** to return to the map interface. The selected data is displayed.

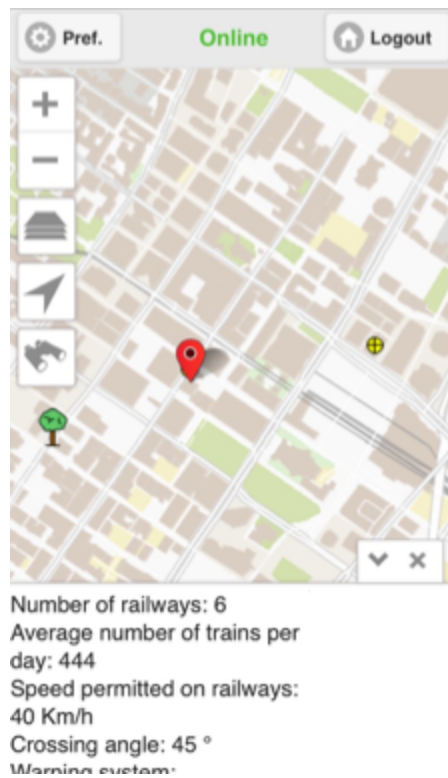


Some layers may be configured to be displayed within specific map scale intervals. They may not be visible at the current map scale. You can change the scale (using your fingers or the +

and  zoom tools) to display them. Your JMap administrator will provide the specifics of the layers.

To display mouseover bubbles:

1. Tap an element. Its mouseover bubble displays.
2. Tap  to hide the mouseover bubble.
3. Tap  to close the mouseover bubble or tap another element in the same layer or in a different one to display its mouseover bubble. The currently displayed mouseover bubble closes.

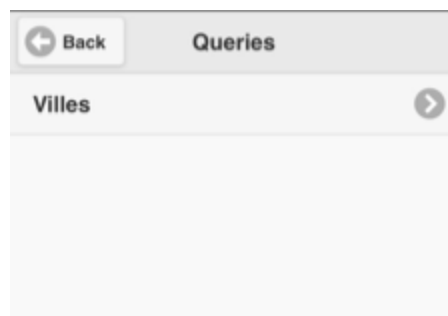



Performing Queries

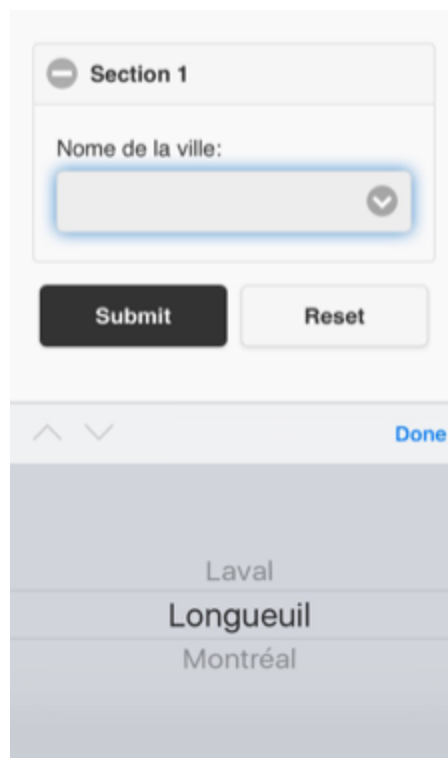
You can select layer elements based on their attributes by performing queries. These queries are configured by your JMap administrator.


To perform a query:

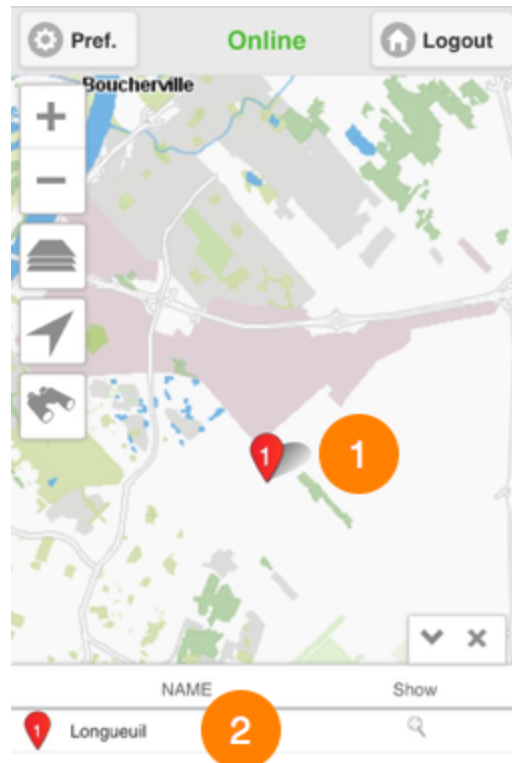
1. Tap the  icon. The **Queries** page displays the list of available queries.








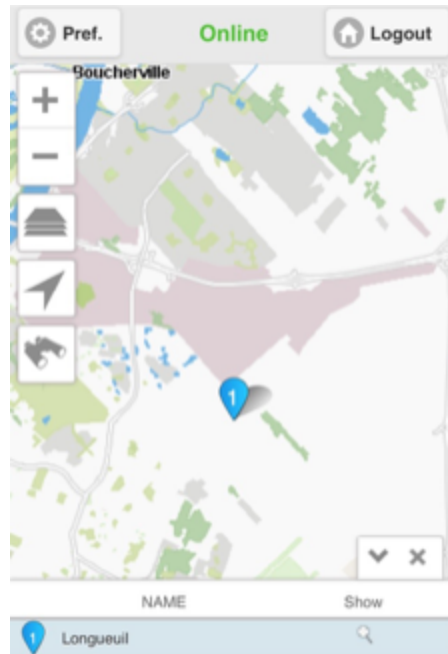
2. Tap the arrow  of the query you are interested in. The query form displays.





3. Tap the arrow  to display the drop-down menu listing the values for each attribute. Select the desired values.
You can only select values for certain attributes. For some of these attributes, you can select more than one value.
4. Tap **Submit** to send the query form to JMap Server. A few moments later, the map interface displays.



- 1 The elements retrieved by the query are centered in the map and identified with numbered markers .
- 2 The selection explorer deploys. The elements retrieved as search results are displayed in rows and their attributes are displayed in columns.
5. Tap  to hide the selection explorer. Only the map interface with the elements retrieved is displayed.
6. Tap  to redisplay the selection explorer.
7. Tap the row of an element to select it. The red marker  turns blue  in the explorer and on the map. In the explorer, the element's row turns blue.





You can select several elements at the same time.

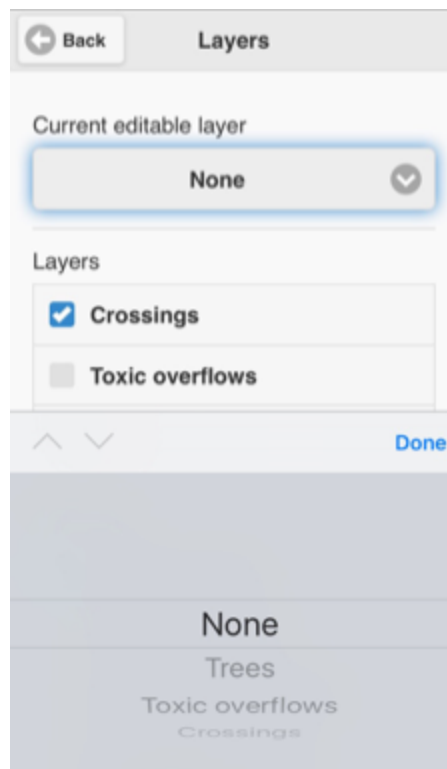
8. Tap the icon  of an element's row to center that element in the map.
9. Tap  to clear the query results. The selection explorer disappears and the markers are cleared from the map interface. The map interface remains in the same view.




Editing Data

Some of the application's layers are editable, which means users who have the right permissions can create new elements in the layer or they can modify or delete existing elements. If you are working in online mode, these changes are saved in real time in JMap Server. If you are working in offline mode, without an Internet connection, the changes will be saved in your mobile device and sent to JMap Server when an Internet connection becomes available.

To edit the elements of a layer:

1. Tap  to display the **Layers** menu.
2. Tap the down arrow  of the **Current editable layer** field. The list of editable layers displays.



3. Select the layer you wish to edit.
4. Tap **Back** to return to the map interface. The  icon displays.
5. Tap the  icon to access the editing tools. The editing menu displays and the icon turns blue .





- 1 This icon is used to enable and disable the **Data editing** function.
- 2 This tool is used to create an element with the geographic coordinates of the mobile device.
- 3 This tool is used to create an element by tapping the map interface.
- 4 This tool is used to modify attribute values or delete an existing element.

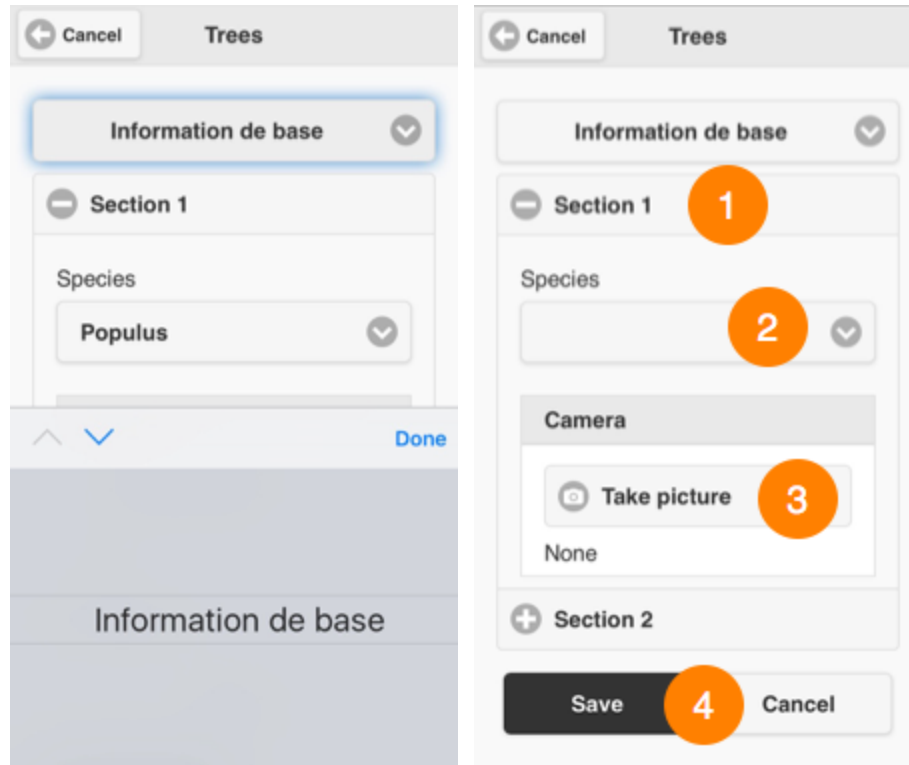
Creating a new element





You can use one of two methods to create a new element: locate it directly on the map or use your mobile device's location function.

Creating an element by locating it on the map


You must enable the  tool by tapping the icon, which will then turn blue  :

1. Tap the location where you wish to place the new element. A form displays, allowing you to enter the element's attribute values. A layer can have multiple forms.





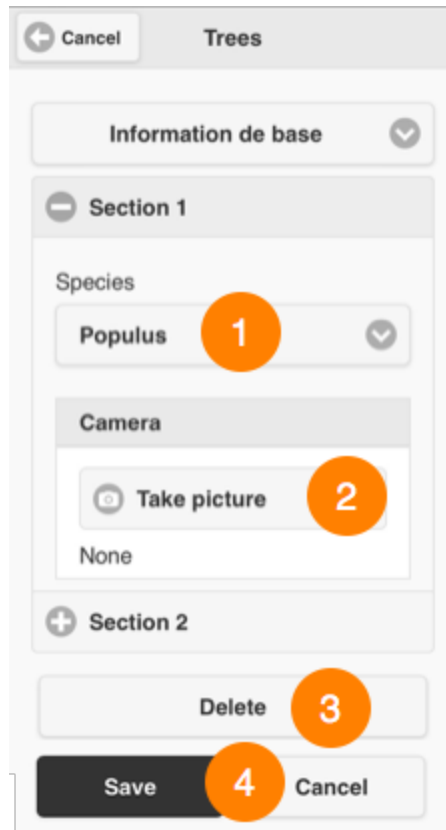
- 1 The form may have several sections to make it more ergonomic.
 - 2 Attribute values can be entered by selecting one or more options in drop-down menus, by entering data in a specific field or by using a calendar.
Some attributes may be required; you must specify a value for these or you will not be able to submit the form.
 - 3 You can take one or more pictures with your mobile device's camera.
 - 4 These buttons allow you to send the form to JMap Server or cancel it.
2. Fill out the form.
 3. Tap **Save** to save the information. You will be brought back to the map interface.
 4. Repeat the previous steps to create another element.
 5. Tap the  icon to disable the tool. The icon turns back to grey .
 6. Tap the  icon to disable the data editing function. The icon turns back to grey .

Creating an element by locating it with the mobile device





1. Tap the  icon to enable the tool. A form displays, allowing you to enter the element's attribute values. A layer can have multiple forms.
2. Repeat the steps in Creating an element by locating it on the map.

Modifying or deleting an element

1. Tap the  icon to enable the tool. The icon turns blue .
2. Tap the element you wish to modify or delete. The element's attribute form displays.



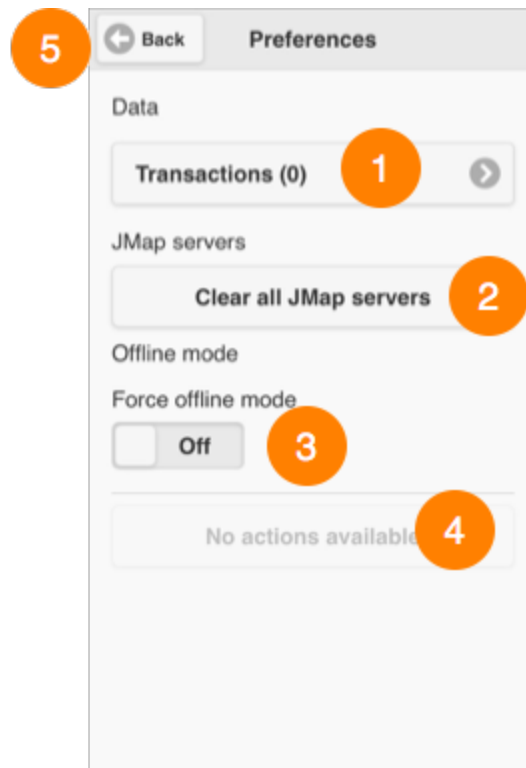
- 1 The form contains values for the attributes you can modify.
- 2 You can take pictures with your mobile device's camera.
- 3 You can delete the element.
- 4 These buttons allow you to send the form to JMap Server or cancel it.

3. Modify the attribute values.
4. Tap **Delete** to delete the element.
5. Tap **Save** to save the information. You are redirected to the map interface.
6. Repeat the previous steps to edit or delete another element.
7. Tap the  icon to disable the data editing function. The icon turns back to grey .
3. Tap the  icon to disable the data editing function. The icon turns back to grey .

Preferences

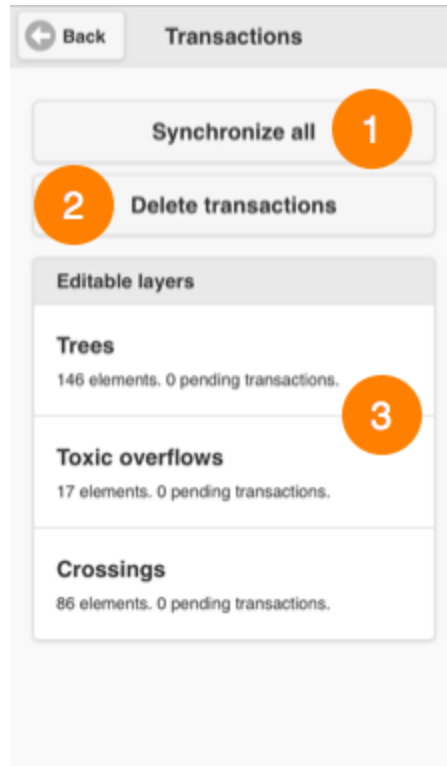
This interface allows you to configure settings regarding data and transactions management, application addresses, and the mode in which you want to work. To access it:

1. Tap **Preferences** in the application's main interface to display it interface.



- 1 This menu allows you to manage transactions between the application and the JMap Server of the editable layers.
- 2 This button allows you to clear the list of applications that appears in the login interface. Tap the button. The login interface's list of available applications is cleared.
- 3 This button allows you to force the application to work in offline mode, even when a network is available. Slide the button to enable the function.
- 4 Displays the application's current transactions.
- 5 The **Back** button allows you to return to the application's main interface.

2. Tap the arrow  to access the data **Transactions**. The **Transactions** interface displays.



- 1 This button allows you to synchronize all layers between the JMap Mobile application and the JMap Server.

If you are working in offline mode, any changes made to the editable layers will be transferred to the JMap Server when a network connection becomes available; at that moment, the application will also receive any changes made by other users from the JMap Server.

Tap this button to synchronize the editable layers with the JMap Server.
- 2 This button allows you to delete transactions that are pending between the mobile application and the JMap Server.
- 3 Displays editable layers, with the number of elements they contain and pending transactions.